PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Brown, Kenneth G.; Oglesby, Donald M.; Leighty, Bradley D.; Kielin, Erik J.;

Schryer, David R.; and Upchurch, Billy T.

Application No.: 10/601,801

Filed: June 20, 2003

For: Method For The Detection Of Volatile Organic Compounds Using A Catalytic Oxidation Sensor

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. § 1.97(b).

Date: 12/16/04

Helen M. Galus

Registration No. 40,615

NASA Langley Research Center

MS 141

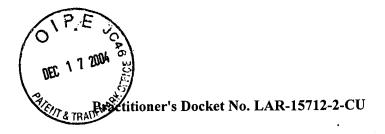
Hampton, VA 23681-2199

U.S.

757-864-3227

Customer No. 23351

DEC 23 2004 OIPE/JCWS



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Brown, Kenneth G.; Oglesby, Donald M.; Leighty, Bradley D.;

Kielin, Erik J.; Schryer, David R.; and Upchurch, Billy T.

Application No.: 10/601,801

Filed: June 20, 2003

For: Method For The Detection Of Volatile Organic Compounds Using A Catalytic Oxidation Sensor

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

"Express Mail" label number ER 083549022 US Date of Deposit: December 17, 2004

I hereby state that the following documents

Transmittal of IDS within three months of filing or before mailing of first office action - 1 page Information Disclosure Statement (U.S. & Foreign Documents) - 5 pages Information Disclosure Statement (Non-Patent Documents) - 1 page Copies of U.S., Foreign, & Non-Patent Documents Return Postal Card

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Elaine C. McMahon

NASA Langley Research Center

Mail Stop 141

Hampton, VA 23681-2199

757-864-3226 (voice)

757-864-9190 (facsimile)

O 1 P E CO 4 6 0

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

ction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

SUBSTITUTION DISCLOSURE
STATEMENT BY APPLICANT

Complete if Known

Application Number 10/601,801

Filing Date 06/20/2003

First Named Inventor Kenneth G. Brown

Art Unit

Examiner Name

(Use as many sheets as necessary)

Sheet 1 of 2 Attorney Docket Number LAR-15712-2-CU

Examiner	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	NO.	Number-Kind Code ^{2 (if known)}	WIWI-DD-1111	Applicant of Cited Document	Figures Appear
	1	^{US-} 3,586,486	06/22/1971	Kim et al.	
	See	US- Attachment 1	· .		
	3	^{US-} 4,399,687	08/23/1986	Carter Collins	
	See	US- Attachment 2			
		US-	•		
		US-			
	7	^{US-} 4,870,025	09/26/1989	Ford Motor Co.	
	See	US- Attachment 3			
	9	^{US-} 5,055,269	10/08/1991	Bacharach, Inc.	
	10	^{US-} 5,061,447	10/29/1991	Yoshio Ono	
	See	US- Attachment 4			
		US-			
		US-			
		US-			···
		US-			<u> </u>
		US-			·
		US-			-
		US-			

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1		ent Document ∸Number ^{4–} Kind Code ⁵ (<i>if known</i>)	· ·	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶		
	1	GB	1,505,802		03/30/1978	Timoshenko, et al.				
	2	GB	2,013,901	Α	08/15/1979	J&S Sieger Limited				
	3	JP	55-96442		07/22/1980					
	See	Attachment	5							
	5	GB .	2,125,554	A	03/07/1984	J&S Sieger Limited				

Examiner	- ·	Date	
Signature	•	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Joc. # 23259

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Subs	stitute for form 1449A/PTO		Complete if Known			
0000		•	Application Number	10/601,801		
IN	FORMATION DISC	CLOSURE	Filing Date	06/20/2003		
• • •	TATEMENT BY AF		First Named Inventor	Kenneth G. Brown		
3	IVICHEM DI VI	LIOAIII	Art Unit			
	(Use as many sheets as nec	essarv)	Examiner Name			
Sheet	2	of 2	Attorney Docket Number	LAR-15712-2-CU		

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<u> </u>		US-			
		US-			
		US-			
		US-			
		US-			
		US-	-		
		US-			
		US-		`	•
		US-			
		US-			
		US-			<u> </u>
**		US-			
		US-			-
		US-			
	-	US-			-
		US-	•		
		US-			
		US-			

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No. ¹		ent Document Number ⁴⁻ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶			
	6	JP	61-221638	10/02/1986						
	See	Attachment	6				-			
	9	WO	91/06849	05/16/1991	Neotronics Limited	•				

Examiner	Date	
Signature	Considered	
-		h

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ubstitute for form 1449B/PTO	Complete if Known				
	Application Number	10/601,801			
NFORMATION DISCLOSURE	Filing Date .	06/02/2003			
STATEMENT BY APPLICANT	First Named Inventor	Kenneth G. Brown			
	Art Unit				

(Use as many sheets as necessary)

Sheet

of

Examiner Name Attorney Docket Number LAR-15712-2-CU

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	aminer tials* Cite No. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
	· 1	M.C. IRANI ET AL., "A Continuous-Recording Methanometer for Exhaust Fan Monitoring," Chemical Abstract, pgs. 15-1 - 15-16.	X				
		·					
_							

	and the second s	the state of the s		
	*			
Examiner		•	Date	
Signature			Considered	

50c.#03060

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).

2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.